

温州泓力达自动化设备有限公司
Wenzhou Holid Automation Equipment Co., Ltd.

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专业品质
源自泓力达

产品选型手册
Product Selection Guide

温州泓力达自动化设备有限公司
Wenzhou Holid Automation Equipment Co., Ltd.



专业品质 源自泓力达
Professional quality
— from HOLID

泓力达简介

以科技为先导，以质量生命，以信誉为宗旨

温州泓力达自动化设备有限公司座落于乐清白石镇工业区，公司以科技为先导，专业生产各种气源处理器、PU管、液压缓冲器、气动振动器、气枪的生产型企业。公司有一流的进口数控设备，检验设备以及对专业人才培养，以使公司产品在充满竞争的同行中脱颖而出，并始终处于领先地位。

公司自成立以来，一直坚持“以科技为先导，以质量生命，以信誉为宗旨”的企业理念。在不断的探索发展中，公司以产品外观精致、性能良好，以及完善的售后服务，赢得了客户的一致好评。

公司各种产品在各个领域得到了稳定的使用，以客户至上的理念，为顾客提供及时、高效的售后服务。在追求无限、创造发展的同时，我们热忱欢迎您的加盟。泓力达全体员工与您携手并进，共创辉煌明天！

Brief Introduction

Wenzhou Holid automation equipment Co., Ltd. is located in Yueqing Baishi Hehu Industrial Zone, the company to science and technology as the guide, production enterprise specializing in the production of various kinds of air source treatment, PU pipe, hydraulic buffer, pneumatic vibrators, air gun. The company has imported CNC first-class equipment, testing equipment and the cultivation of professional talents, to enable the company's products talent showing itself in a competitive peer, and always in a leading position.

The company since its inception, always adhere to the "science and technology as the forerunner, take the quality as the life, with credit for the purpose of" business philosophy. Exploration in the development, the company product appearance, good performance, and perfect sales service, won the praise of customers.

Company products are stable in all fields, with the idea of the supremacy of customers, for customers to provide timely, efficient after sale service. In the pursuit of unlimited, to create the development at the same time, we welcome you warmly to join. Holid staff with you hand in hand, create brilliant tomorrow!

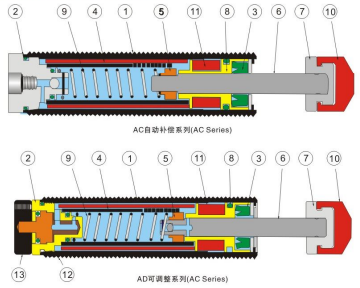


WENZHOU
HOLID AUTOMATION EQUIPMENT
CO., LTD.

- ▶▶▶ 专业的**品质**，铸就泓力达品牌
Professional quality cast HOLID brand
- ▶▶▶ 优良的**服务**，赢得客户的信赖
Excellent service, to obtain the customer's trust
- ▶▶▶ 诚信的**效率**，创造更多的价值
Sincere efficiency, and create more value



油压缓冲器内部结构 Shock Absorber Structure



- ① 外压缸 Out Tube
- ② 缸盖 End Cover
- ③ 油封 Oil Seal
- ④ 内压缸 Inner Tube
- ⑤ 活塞 Piston
- ⑥ 滑塞杆 Opiston Rod
- ⑦ 撞击头 Head
- ⑧ 轴承 Bearing
- ⑨ 弹簧 Spring
- ⑩ 消音套 Cap
- ⑪ 蓄压海绵 Sponge
- ⑫ 流量调整轴 Adjustment Axis
- ⑬ 流量调整旋钮 Adjustment Knob

概要 Outline

泓力达吸震器通过独特的结构设计,可使运动物体的动能转化为热能,再向大气释放,是吸收冲击能,实现平稳停止的更佳产品。为设备装、重类的磨损降低,减轻保养量,延长寿命,特别是对提高生产效率起着举足轻重的作用,敬请使用。

HOLID shock absorber is adopted special structure design. It converts the kinetic energy to heat energy, and then discharge the heat energy into the air. It is an ideal product of both absorbing shock energy and making the optimum soft stop. It plays a key part of reducing machine's wearing away, lightening maintaining time, extending using time, especially increasing manufacture efficiency. Welcome using.

连体的循环方式 Liquid Circulation

运动物体的撞击压缩滑塞的过程,会使截止阀关闭,油因挤压通过孔孔进入蓄压腔内,解除冲击后,弹簧使滑塞复位,同时截止阀自动打开,油迅速回流到缸缸。

The process of the shock and compression piston of matter-n motion could close the check valve, compress the oil into accumulator by oil hole, reset the piston rod by spring after releasing the shock, and open the check valve, the oil will return to inner cylinder.

多孔型油压缓冲器 Multihole Type Shock Absorber

内压缸的侧窗有多个油孔,能给滑塞杆提供一固定大小的缓冲力,达到线性减速,能用最柔和的力量使运动物体平稳地停止下来。油孔大小和排列方法的不同可取得多种形式的缓冲效果。根据使用者的需求,泓力达能提供各种型号的油压缓冲器。

There are many oil hole in the cylinder side face. They can provide a stationary cushioning force to the oil plug leader, and achieve a linearity deceleration. It can stop the matter in motion mildly by a soft force. It can get a different effect by the space between the oil hole and the size of the oil hole. HOLID has different kinds of oil pressure shock absorber according to the users' requirement.

缓冲效果比较 Comparing Of Cushioning Effect

弹簧、橡胶和气缸缓冲在移动物体行程初期以最低线性减速力,随着行程增加其反作用力也逐渐增强,在行程接近末端时,反作用力达到最高峰,由于运动物体能量无法被吸收而使缓冲行程,运动物体将不可避免的产生反弹,造成机械损坏。

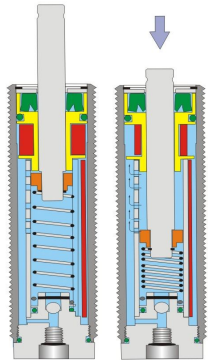
阻尼器由于缺乏精心设计油孔系统,在行程初期会以高冲击力作用力使运动物体瞬间停下,造成机械震动,然后再慢慢滑行到行程末端。

泓力达油压缓冲器通过特殊设计的油孔系统能在最短时间将运动物体的能量吸收,并转化为热能散发,使物体在整个行程中呈线性减速,最终平稳地停下。

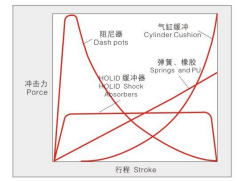
Spring, rubber and cylinder shock absorbers keep a slow linear movement at early time of object, with the stroke increasing its counterforce will increase gradually, and will be maximal at the ending of stroke, because the movement energy can't be absorbed and stored up temporarily, the movement object bring rebound inevitably and have a mechanical breakdown.

Because the oil hole system of damper is devoid of exquisite design, the max counterforce make the movement object instantaneous stop early and have a mechanical breakdown, then slip to the end of stroke slowly.

HOLID shock absorbers can absorb the energy of the movement object in a best time via special oil hole system design and emit the energy, make the object linear slowdown and even smooth stop.



如下图所示 As the Following Figs



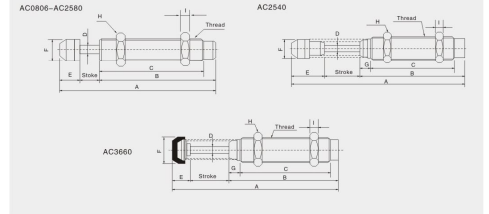
订货型号 Order Type

- AC - 14 - 1 - N
- 系列代号 Series Model
 - AC: 自动补偿式 AC: Auto compensation
 - AD: 可调整式 AD: Adjustable
 - 外径 Outside diameter
 - 冲击行程 Impact Stroke
 - 冲击速度 Impact Speed
 - 缓冲罩 Built Cap
- 1: 高速度 1: high impact speed
 2: 中速度 2: medium impact speed
 3: 低速度 3: low impact speed

规格 Specifications

型号 Model	行程 Stroke (mm)	最大吸收能量 Energy absorption	小时吸收能量 Hours of energy absorption	最大有效质量 The most effective weight			最大冲击速度 Max impact speed (m/s)			工作温度 °C Temperature	重量 Weight
				1	2	3	1	2	3		
AC0806	6	2	1200	0.5	2	6	2	1	0.5	-10~80	11
AC1005	5	3	3600	1	3	7	3	1.5	0.8	-10~80	14
AC1008	8	4	5000	2	4	9	3	1.5	0.8	-10~80	20
AC1210	10	5	10000	5	10	30	2	1.5	0.8	-10~80	31.5
AC1412	12	15	30000	8	50	100	3	1.5	0.8	-10~80	80
AC1416	16	20	35000	10	70	150	3	1.5	0.8	-10~80	90
AC2016	16	35	38000	30	200	700	3.5	2	1	-10~80	210
AC2020	20	40	40000	30	200	700	3.5	2	1	-10~80	215
AC2030	30	50	48000	30	200	700	3.5	2	1	-10~80	255
AC2050	50	60	60000	60	400	1200	3.5	2	1	-10~80	300
AC2525	25	80	70000	200	800	1500	4	2.5	1	-10~80	330
AC2540	40	120	75000	300	1200	2000	4	2.5	1	-10~80	430
AC3660	60	250	120000	400	1500	2400	4	2.5	1	-10~80	1030

外形尺寸 Overall Size



规格 Specifications

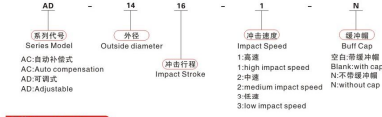
型号 Model	螺纹公称 Thread	行程 (mm) Stroke	A	B	C	D	E	F	H	I
AC0806	M8 x 1	6	50.5	38	33	3	6	6.6	11	3
AC1005	M10 x 1	5	38.7	27.7	22.9	3	6	8.6	14	4
AC1008	M10 x 1	8	57.5	43	38	3	6	8.6	14	4
AC1210	M12 x 1	10	70	50	45.5	3	9.5	10.3	16	4
AC1412	M14 x 1.5	12	103	76	67	4	14.3	12	19	5
AC1416	M14 x 1.5	16	126	95	86	4	14.3	12	19	5
AC1420	M14 x 1.5	20	129.3	95	86	4	14.3	12	19	5
AC2016	M20 x 1.5	16	129.5	95	84	6	16	18	27	7
AC2020	M20 x 1.5	20	148.5	110	100	6	16	18	27	7
AC2030	M20 x 1.5	30	158.5	110	100	6	16	18	27	7
AC2050	M20 x 1.5	50	235	167	156	6	16	18	27	7
AC2525	M25 x 1.5	25	156	111	101	8	16	22	32	8
AC2550	M25 x 1.5	50	240.5	170.5	100	8	16	22	32	8
AC2580	M25 x 1.5	80	337	237	100	8	16	22	32	8

型号 Model	螺纹公称 Thread	行程 (mm) Stroke	A	B	C	D	E	F	G	H	I
AC2540	M25 x 1.5	40	212.7	127	115	8	35.6	22	9.4	32	10
AC3660	M36 x 1.5	60	248.5	162	134	10	26	35	17	46	15

HOLID Automation Equipment
泓力达 专业品质 源自设计
AD series hydraulic shock absorber



订货型号 Order Type

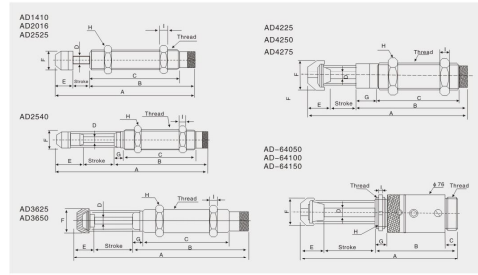


规格 Specifications

型号 Model	行程 Stroke (mm)	最大吸收能量 Energy absorption	小时吸收能量 Hours of energy absorption	最大有效质量 The most effective weight			最大冲击速度m/s Max.impact speed(m/s)			工作温度℃ Temperature	重量g Weight
				1	2	3	1	2	3		
AD1410	10	20	25000	80	80	80	3	3	3	-10-80	90
AD2016	16	25	30000	200	200	200	3.5	3.5	3.5	-10-80	230
AD2020	20	35	35000	250	250	250	3.5	3.5	3.5	-10-80	250
AD2025	25	39	39000	312	312	312	3.5	3.5	3.5	-10-80	260
AD2525	25	85	70000	400	400	400	3.5	3.5	3.5	-10-80	350
AD2540	40	100	80000	700	700	700	3.5	3.5	3.5	-10-80	455
AD3625	25	150	90000	1400	1400	1400	3	3	3	-10-80	955
AD3650	50	300	100000	1400	1400	1400	3	3	3	-10-80	1100
AD4225	25	260	125000	3000	3000	3000	3.5	3.5	3.5	-10-80	1280
AD4250	50	500	150000	4000	4000	4000	4.5	4.5	4.5	-10-80	1495
AD4275	75	750	180000	6000	6000	6000	4.5	4.5	4.5	-10-80	1710
AD6450	50	12000	1500000	12727	12727	12727	1.5	1.5	1.5	-10-80	4115
AD64100	100	24000	2000000	18181	18181	18181	1.5	1.5	1.5	-10-80	5280
AD64150	150	36000	2500000	23636	23636	23636	1.5	1.5	1.5	-10-80	6785

HOLID Automation Equipment
泓力达 专业品质 源自设计
AD series hydraulic shock absorber

外形尺寸 Overall Size



规格 Specifications

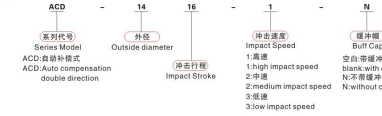
型号 Model	螺纹公称 Thread	行程(mm) Stroke	A	B	C	D	E	F	H	I
AD1410	M14×1.5	10	103.3	78	67	4	14.6	12	19	5
AD2016	M20×1.5	16	134.5	95	84	5	18	18	27	7
AD2020	M20×1.5	20	154.5	116	100	6	16	18	27	7
AD2025	M20×1.5	25	159.5	116	100	6	16	18	27	7
AD2525	M25×1.5	25	161	116	101	8	19.5	22	32	8

型号 Model	螺纹公称 Thread	行程(mm) Stroke	A	B	C	D	E	F	G	H	I
AD2540	M25×1.5	40	218	132	115	8	35.6	22	9.4	32	10
AD3625	M36×1.5	25	186.5	126	96	10	26	35	10	46	15
AD3650	M36×1.5	50	247	171	134	10	26	35	17	46	15
AD4225	M42×1.5	25	186.9	127.5	88.5	12	33.9	43.7	29	49	15
AD4250	M42×1.5	50	246	157.3	118.3	12	38.2	43.7	29	49	15
AD4275	M42×1.5	75	301.4	187.8	148.8	12	38.2	43.7	29	49	15
AD64050	UNF 212-12	50	247.8	146	26	20	51.8	89	23	76.2	9.4
AD64100	UNF 212-12	100	347.8	196	26	20	51.8	89	23	76.2	9.4
AD64150	UNF 212-12	150	467.8	256	26	20	51.8	89	23	76.2	9.4

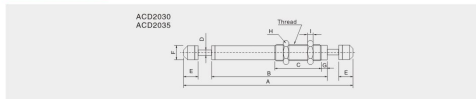
HOLID Automation Equipment
泓力达 专业品质 源自设计
ACD series hydraulic shock absorber



订货型号 Order Type



外形尺寸 Overall Size



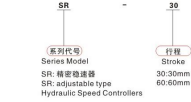
规格 Specifications

型号 Model	行程 Stroke (mm)	最大吸收能量 Energy absorption	小时吸收能量 Hours of energy absorption	最大有效质量 The most effective weight			最大冲击速度m/s Max.impact speed(m/s)			工作温度℃ Temperature	重量g Weight
				1	2	3	1	2	3		
ACD-2030-1	30	45	54,000	40			2.0			-10-85	
ACD-2035-1	35	52	62,400	40			2.0			-10-85	
ACD-2035-2	35	52	52,400	200			2.0			-10-85	
ACD-2050-1	50	60	68,000	60			3.5			-10-85	
ACD-2050-2	50	60	68,000	210			2.0			-10-85	

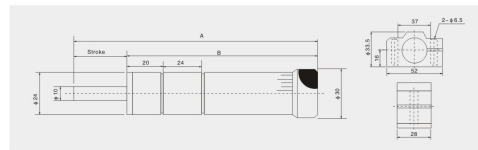
HOLID Automation Equipment
泓力达 专业品质 源自设计
SR series hydraulic speed controllers



订货型号 Order Type



外形尺寸 Overall Size



规格 Specifications

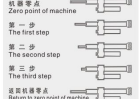
型号 Model	A	B	最大行程(mm) Max. stroke	工作温度℃ Temperature	最大负载(kg) Max. load	重量g Weight
SR15	151	136	15	0-60℃	15-350	470
SR30	202	172	30	0-60℃	15-350	495
SR60	286	225	60	0-60℃	15-350	815
SR80	337	256	80	0-60℃	15-350	890
SR100	390	290	100	0-60℃	15-350	765

即使去除R-A型液压缸活塞杆上的负载，该零件仍停留在原位。只有提供压缩空气才能使其返回。可进行分步控制。
Even if remove the load of piston rod of R-A type hydraulic damper, the piston rod still can stay at original position, only provide compressed air the piston rod can return, a multiple step feed control can be carried out.



- 特点 Features**
- 该零件可在行程任意处停留，可实现高效的分步控制功能。
 - 某些型号有长行程，可多用途使用。
 - The piston rod can stay freely on the stroke; it can realize high-efficient feed function.
 - Some of types have extending stroke; it can be used with multipurpose.

分步连续举例
Example to multiple-step feed



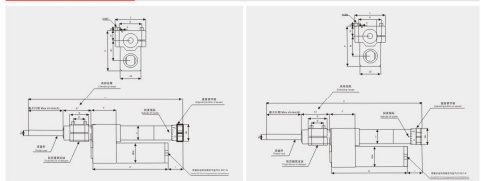
溢流杆回气管连接举例
Example to air tube connector of piston rod return



参数 Parameters

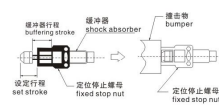
型号 Model	最大行程 Max. stroke (mm)	负载等级 Load grade N	溢流杆回气管的连接管径规格 along the return (mm-inch)	最大行程 Max. stroke (mm)	重量 (kg-lb)
R-2400A	60		F=200N 0.3-5	1.12	
R-2400A	60		F=1,000N 0.3-25	1.12	
R-2400A	80	200-1,000	F=1,000N 0.3-25	2.3	
R-2400A	80		F=1,000N 0.3-50	1.48	
R-3180A	100		F=300N 0.3-12	2.2	
R-3180A	100		F=3,000N 0.3-25	2.8	
R-3180A	130	500-3,000	F=3,000N 0.3-50	3.3	

外形尺寸 Overall Size(mm)



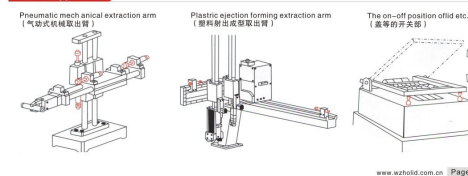
尺寸 Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
R-2400A 60 241																
R-2400A 80 291	32	43	24	127	10	36	46	38	38	38	38	38	38	38	38	38
R-2400A 80 333	32	43	24	160	10	36	46	38	38	38	38	38	38	38	38	38
R-2400A 100 353	32	43	24	180	10	36	46	38	38	38	38	38	38	38	38	38

定位止螺母 Fixed Stop Nut



规格 Specifications	A	B	C	ΦD	螺纹公称 Thread	适用型号 Shock absorber model	尺寸图 Size
SC08	14	11	12.6	-	M8 x 1.0	AC-0806	
SC10	16	12.7	14.5	-	M10 x 1.0	AC-1005 AC-1008	
SC12	20	14	16	-	M12 x 1.0	AC-1210	
SC14	27	19	21.6	18	M14 x 1.5	AC-1412 AC-1416 AC-1422 AD-1410 AD-1415	
SC20	35	26	29.7	25	M20 x 1.5	AC-2020 AC-2030 AC-2050 AC20-2030 AC-2025 AD2016	
SC25	45	32	36.7	31.5	M25 x 1.5	AC-2525 AC-2540 AC-2550 AC-2580 AD-2530 AD-2540 AD-2550 AD2580	
SC25L	65	32	36.7	31.5	M25 x 1.5	AC-2540 AC-2550 AC-2580 AD-2540 AD-2550 AD-2580	
SC38	80	46	53	45	M36 x 1.5	AC-3880 AD-3825 AD-3850	

应用实例 Applications



SFC-200



气源处理元件 Air Source Disposing Component

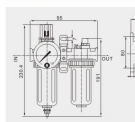
本产品集过滤、减压、油雾于一体，结构紧凑、流量大、输出压力稳定、易于操作。在保持压力的同时，安全可靠。集集有不停气加油的功能，均设有保护罩，安全可靠，外型美观。
The product have the function of filter,decompress and oiling its structure,tightly,flow rate largely output steady and installation simply,the element has pressure gauge,installation stand and oiling facility, the oiling facility can't non-stop oil,all have the cup shape protect cover,use safe and appearance beautiful.

符号 Symbol



二联件 Air control unit

外形尺寸 Overall Size(mm)



共同特点 Common Feature

保证耐压力 1.5MPa	Guarantee pressure range 1.5MPa
最高使用压力 1.0MPa	Max. working pressure 1.0MPa
环境温度 5-60℃	Environment temp. 5-60℃
均有保护罩	All with protection cover

标准规格 Standard Specification

型号 Model	SFC-200	SFC-300	SFC-400
接管口径 Adapter diameter	RC1/4	RC3/8	RC1/2
压力接口 Pressure gauge diameter	RC1/8	RC1/8	RC1/8

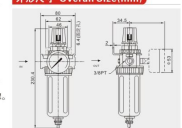
SFR-200



符号 Symbol



外形尺寸 Overall Size(mm)



功能 Function

可在不停气加油的情况下加油，设有保护罩。
Fueling under the condition of non-stop.

操作指示 Operation Indication

拉起减压阀旋钮，转动旋钮可将压缩空气压力调整至设定工作压力，并可使压力脉动趋于平衡，把旋钮松开即可锁住。
Pull the knob of relief valve and rotate it,then the compressed air pressure can be adjusted to the expired pressure grade,and can make the pressure pulse balanced,press down the knob to lock it.

标准规格 Standard Specification

型号 Model	SFR-200	SFR-300	SFR-400
接管口径 Adapter diameter	RC1/4	RC3/8	RC1/2
压力接口 Pressure gauge diameter	RC1/8	RC1/8	RC1/8

共同特点 Common Feature

保证耐压力 1.5MPa	Guarantee pressure range 1.5MPa
最高使用压力 1.0MPa	Max. working pressure 1.0MPa
环境温度 5-60℃	Environment temp. 5-60℃
均有保护罩	All with protection cover

SL-400



符号 Symbol



功能 Function

可在不停气加油的情况下加油，设有保护罩。
Fueling under the condition of non-stop.

共同特点 Common Feature

保证耐压力 1.5MPa	Guarantee pressure range 1.5MPa
最高使用压力 1.0MPa	Max. working pressure 1.0MPa
环境温度 5-60℃	Environment temp. 5-60℃
均有保护罩	All with protection cover

标准规格 Standard Specification

型号 Model	SL-200	SL-300	SL-400
接管口径 Adapter diameter	RC1/4	RC3/8	RC1/2

AF2000



BF4000



订购码 Order Code

AF/BF	1500/3000	M
系列代码 Series model	1500/3000	M
接管口径 Adapter diameter	1500 PT1/8 3000 PT1/4	排水方式 Drainage way
AF-AF系列过滤器 AF series air filter	2000 PT1/4	空白/重力式 drainage
BF-BF系列过滤器 BF series air filter	3000 PT3/8	标准/手动式 M standard manual style
	4000 PT1/2	A 自动排水 A auto drainage
		B 标准手动式 B standard manual style

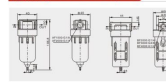
符号 Symbol



技术参数 Main Technical Parameters

型号 Model	AF1500	AF2000	BF3000	BF4000
工作压力 Working medium	空气			
接管口径 Adapter diameter	PT1/8	PT1/4	PT3/8	PT1/2
滤芯精度 Filter accuracy	40μ			
保证耐压力 Guarantee pressure range	15.0kgf/cm ²			
使用温度范围 Rang of temp	5-60℃			
滤水容量 Water filtered volume	15CC	60CC		
重量 Weight	0.14kg	0.33kg		

外形尺寸 Overall Size(mm)



AFC2000

BFC2000



符号 Symbol



订购码 Order Code

AFC/BFC	2000/3000
系列代码 Series model	Adapter diameter
AFC-A系列二通型	1500-PT1/8
AFC-A系列三通型	2000-PT1/4
BFC-B系列四通型	2000-PT1/4
BFC-B系列四通型	3000-PT3/8
BFC-B系列四通型	4000-PT1/2

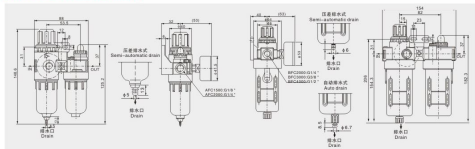
M

排水方式 Drainage way	空气 Air
真空负压排水式	Blank/Inertial pressure drainage
M标准手动式	M standard manual style
A自动排水式	A auto drainage
B标准手动式	B standard manual style

技术参数 Main Technical Parameters

型号 Model	AFC1500	AFC2000	BFC2000	BFC3000	BFC4000
工作介质 Working medium	空气 Air				
接管口径 Adapter diameter	PT1/8	PT1/4	PT1/4	PT3/8	PT1/2
滤芯精度 Filter accuracy	40μ				
调节压力范围 Adjusted pressure range	25CC				
最大可调节压力 Max. adjustable pressure	0.5-0.8kgf/cm ²				
保证耐压力 Guarantee pressure range	15.0kgf/cm ²				
使用温度范围 Rang of temp	5-60°C				
滤芯容量 Water-filtered volume	15CC	90CC		60CC	
建议润滑油 Suggested lubricant	ISO VG32或同等油类 ISO VG32 or same level/greases				
重量 Weight	0.5kg		0.7kg		
构成元件 Constructive	过滤调压器 Filter	AFR1500	AFR2000	BFR2000	BFR3000
增压器 Pressure	AL1500	AL2000	BL2000	BL3000	BL4000

外形尺寸 Overall Size(mm)



AFR2000

BFR4000



订购码 Order Code

AFR/BFR	2000/3000	M
系列代码 Series model	接管口径 Adapter diameter	排水方式 Drainage way
AFR-A系列调压过滤器	1500-PT1/8	空白负压排水式
AFR-A系列调压过滤器	2000-PT1/4	真空负压排水式
BFR-B系列调压过滤器	2000-PT1/4	M标准手动式
BFR-B系列调压过滤器	3000-PT3/8	A自动排水式
BFR-B系列调压过滤器	4000-PT1/2	B标准手动式

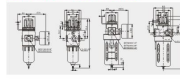
符号 Symbol



技术参数 Main Technical Parameters

型号 Model	AFR1500	AFR2000	BFR2000	BFR3000	BFR4000
工作介质 Working medium	空气 Air				
接管口径 Adapter diameter	PT1/8	PT1/4	PT1/4	PT3/8	PT1/2
滤芯精度 Filter accuracy	40μ				
调节压力范围 Adjusted pressure	0.05-0.85kgf/cm ²				
最大可调节压力 Max. adjustable pressure	0.5kgf/cm ²				
保证耐压力 Guarantee pressure range	1.5kgf/cm ²				
使用温度范围 Rang of temp	5-60°C				
滤芯容量 Water filtered volume	15CC	90CC		60CC	
重量 Weight	0.25kg		0.4kg		

外形尺寸 Overall Size(mm)



AL2000

BL3000



符号 Symbol



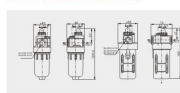
订购码 Order Code

AFR/BFR	1500/3000
系列代码 Series model	接管口径 Adapter diameter
AL-A系列增压器	1500-PT1/8
AL-A系列增压器	2000-PT1/4
BL-B系列增压器	2000-PT1/4
BL-B系列增压器	3000-PT3/8
BL-B系列增压器	4000-PT1/2

技术参数 Main Technical Parameters

型号 Model	AR1500	AR2000	BR2000	BR3000	BR4000
工作介质 Working medium	空气 Air				
接管口径 Adapter diameter	PT1/8	PT1/4	PT1/4	PT3/8	PT1/2
保证耐压力 Guarantee pressure range	15.0kgf/cm ²				
使用温度范围 Rang of temp	5-60°C				
滤芯容量 Feedoil cup volume	25CC		90CC		
建议润滑油 Suggested lubricant	ISO VG32或同等油类 ISO VG32 or same level/greases				

外形尺寸 Overall Size(mm)



气动管优异特性 Characteristics

- 透明管具有较高的透明度，介质的流动状态清晰可见；
- 采用高弹性聚氨酯原料制造，使得气动管具有较小的弯曲半径，更易于安装；
- 耐臭氧比例达到以上，不易黄变；
- 聚氨酯采用进口控制的生产，所制造的气管颜色标准、鲜亮，长久工作不褪色；
- 采用在线管控制制系统，管径的公差控制在 ±0.05mm 之内；
- 采用100%热塑性聚氨酯弹性体(TPU)制造，恒定工作压力状态使用寿命更长。
- Clear tube with high transparency.
- Bendable without damage and easier to fit for better performance.
- Anti-yellowing with grade 3.
- Blending with masterbatches, colored tuber keeps excellent and brilliant color under long term service.
- The error of tube diameter is within ± 0.05mm.
- Made of 100% Thermoplastic polyurethane(TPU), and working for long life under constant pressure.

规格 Specifications

型号 Type	管外径(mm) Tubing O.D.	管内径(mm) Tubing I.D.	长度(m) L	使用压力(kg/cm ²) WP	爆破压力(kg/cm ²) BP
PU-0425-200	4	2.5	200	12	38
PU-0604-200	6	4	200	12	31
PU-0805-100	8	5	100	12	32
PU-1065-100	10	6.5	100	12	31
PU-1208-100	12	8	100	12	27
PU-1410-100	14	10	100	12	20
PU-1612-100	16	12	100	12	17



产品编号系统 Product Code

PU - 0805 - 100 - R

位	位	位	品牌产品专用代号	Brand
①	PU		聚氨酯气动管	PU tube
②	0805		外径8毫米，内径5毫米	O.D.8mm, I.D.5mm
③	100		每卷(盘)长度为100米	Length:Vol:100m
④	R		桔红色	Orange
	B		蓝色	Blue
	BL		黑色	Black
	C		无色透明	Clear, Transparency

注意 Note

- 请谨慎使用于介温度过高(≥60°C)或液体腐蚀性成分(如强酸、强碱、极性较强的溶剂等)的工作场合，因为存在软管破裂的危险。
- 请谨慎使用于工作环境温度过高(≥60°C)或工作空间有化学气体的工作场合，因为可能导致软管软化而耐压力大幅下降或导致化学气体的腐蚀性而使管老化、龟裂。
- 请勿存储在潮湿环境的仓库或存储期过长(>180天)，可能因受潮水解而导致断裂或龟裂。

- Tubes are with the risk of burst if they work under such conditions:high temperature(≥60°C), corrosive fluid(strong acid, alkali, or solvent).
- High temperature(≥60°C)cause softens of tube and the limitation of burst pressure would be reduced. Also, chemical gas in air might speed up the aging and cracking of tube.
- Please do not put tubes under humid environment or store them for a long period(>180 days),otherwise, it becomes cracking due to hydrolysis effect.

气动接头
Pneumatic connectors

SL L型直接安装
SL L type direct mounting



型号 Model
SL4-M5 SL4-04
SL4-01 SL10-01
SL4-02 SL10-02
SL4-M5 SL10-03
SL4-01 SL10-04
SL4-02 SL12-02
SL4-03 SL12-03
SL4-04 SL12-04
SL4-01
SL4-02
SL4-03

SL 平头阀
SL Throttle valve



型号 Model
SL4-G01 SL10-G04
SL4-G02 SL12-G02
SL4-G01 SL12-G03
SL4-G02 SL12-G04
SL4-G03
SL4-G02
SL4-G03
SL4-G04
SL10-G02
SL10-G03

PHF 扁盖接头
PHF Series connection connectors



型号 Model
PHF4-M5 PHF4-04
PHF4-01 PHF10-01
PHF4-02 PHF10-03
PHF8-M5 PHF10-03
PHF8-01 PHF10-04
PHF8-02 PHF12-02
PHF8-03 PHF12-03
PHF8-04 PHF12-04
PHF8-01
PHF8-02
PHF8-03

PLF L型内螺纹三通
PLF L type internal thread three-way



型号 Model
PLF4-M5 PLF8-04
PLF4-01 PLF10-01
PLF4-02 PLF10-02
PLF8-M5 PLF10-03
PLF8-01 PLF10-04
PLF8-02 PLF12-02
PLF8-03 PLF12-03
PLF8-04 PLF12-04
PLF8-01
PLF8-02
PLF8-03

PCF 内螺纹直通
PCF internal thread straight-through



型号 Model
PCF4-M5 PCF8-04
PCF4-01 PCF10-01
PCF4-02 PCF10-02
PCF8-M5 PCF10-03
PCF8-01 PCF10-04
PCF8-02 PCF12-02
PCF8-03 PCF12-03
PCF8-04 PCF12-04
PCF8-01
PCF8-02
PCF8-03

PC直通
PC Straight-through



型号 Model
PC4-M5 PC10-G01
PC4-01 PC10-G02
PC4-02 PC10-G03
PC8-M5 PC10-G03
PC8-01 PC10-G04
PC8-02 PC12-G02
PC8-03 PC12-G03
PC8-04 PC12-G04
PC8-01
PC8-02
PC8-03
PC8-G04

PL L型螺纹三通
PL L type screw thread three-way



型号 Model
PL4-G01 PL10-G01
PL4-G02 PL10-G02
PL4-G03 PL10-G03
PL8-G01 PL10-G04
PL8-G02 PL12-G01
PL8-G03 PL12-G02
PL8-G04 PL12-G03
PL8-G01
PL8-G02
PL8-G03
PL8-G04

PT T型螺纹三通
PT T type screw thread three-way



型号 Model
PT4-G01 PT10-G01
PT4-G02 PT10-G02
PT4-G03 PT10-G03
PT8-G01 PT10-G04
PT8-G02 PT12-G01
PT8-G03 PT12-G02
PT8-G04 PT12-G03
PT8-G01
PT8-G02
PT8-G03
PT8-G04

PLL L型加长型螺纹三通
PLL L type lengthened screw thread three-way



型号 Model
PLL4-G01 PLL10-G01
PLL4-G02 PLL10-G02
PLL4-G03 PLL10-G03
PLL8-G01 PLL10-G04
PLL8-G02 PLL12-G01
PLL8-G03 PLL12-G02
PLL8-G04 PLL12-G03
PLL8-G01
PLL8-G02
PLL8-G03
PLL8-G04

PD T型分支螺纹三通
PD T type branch screw thread three-way

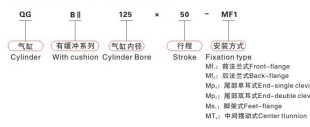


型号 Model
PD4-M5 PD10-G01
PD4-01 PD10-G02
PD4-02 PD10-G03
PD8-M5 PD10-G03
PD8-01 PD10-G04
PD8-02 PD12-G02
PD8-03 PD12-G03
PD8-04 PD12-G04
PD8-01
PD8-02
PD8-03
PD8-G04

QGB II系列气缸
QGB II series cylinder



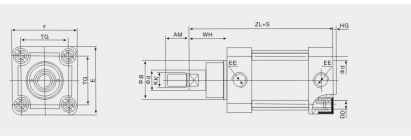
型号说明 Specification For Type



技术参数 Technical Data

气缸内径/mm Bore	125	160	200	250	320
流体 Fluid	空气 Air				
动作型式 Action mode	双动 Double acting				
证明耐压力 Proof pressure	1.5MPa(15.3kgf/cm ²)				
最高使用压力 Max. Operating pressure	0.5~10.0				
环境温度/油温 Ambient and fluid temperature	50~200				
活塞速度 Operating piston speed	50~500mm/s				
缓冲 Cushion	气缓冲 air cushion				

外形尺寸图(mm) Overall Dimension Drawing



型号 Model	缸径 Bore	KK	4 D	4 B	EE	DD	AM	WH	ZL	HG	TG	E
QGB II 125 x 3	125	M27 x 2	32	60	M22 x 1.5	M12	54	56	225	4	112	145
QGB II 160 x 3	160	M36 x 2	45	80	M27 x 2	M16	72	80	260	4	145	190
QGB II 200 x 3	200	M36 x 2	45	80	M27 x 2	M16	72	95	275	5	180	225
QGB II 250 x 3	250	M42 x 2	56	100	M33 x 2	M20	84	110	300	5	225	280
QGB II 320 x 3	320	M48 x 2	70	120	M33 x 2	M24	96	125	335	5	280	350

气动接头
Pneumatic connectors

订货型号 Order Type



PL L型螺纹三通
PL L type screw thread three-way



型号 Model
PL4-M5 PL8-04
PL4-01 PL10-01
PL4-02 PL10-02
PL8-M5 PL10-03
PL8-01 PL10-04
PL8-02 PL12-02
PL8-03 PL12-03
PL8-04 PL12-04
PL8-01
PL8-02
PL8-03

PB T型螺纹三通
PB T type screw thread three-way



型号 Model
PB4-M5 PB10-01
PB4-01 PB10-02
PB4-M5 PB10-03
PB8-M5 PB10-03
PB8-01 PB10-04
PB8-02 PB12-02
PB8-03 PB12-03
PB8-04 PB12-04
PB8-01
PB8-02
PB8-03

PX Y型螺纹三通
PX Y type screw thread three-way



型号 Model
PX4-M5 PX8-04
PX4-01 PX10-01
PX4-02 PX10-02
PX8-M5 PX10-03
PX8-01 PX10-04
PX8-02 PX12-02
PX8-03 PX12-03
PX8-04 PX12-04
PX8-01
PX8-02
PX8-03

PD T型分支螺纹三通
PD T type branch screw thread three-way



型号 Model
PD4-M5 PD8-04
PD4-01 PD10-01
PD4-02 PD10-02
PD8-M5 PD10-03
PD8-01 PD10-04
PD8-02 PD12-02
PD8-03 PD12-03
PD8-04 PD12-04
PD8-01
PD8-02
PD8-03

PC螺纹直通
PC screw thread straight-through



型号 Model
PC4-M5 PC8-04
PC4-01 PC10-01
PC4-02 PC10-02
PC8-M5 PC10-03
PC8-01 PC10-04
PC8-02 PC12-02
PC8-03 PC12-03
PC8-04 PC12-04
PC8-01
PC8-02
PC8-03

PE T型三通
PE T type three-way



型号 Model
PE4
PE8
PE10
PE12
PE16

PV Y型三通
PV Y type three-way



型号 Model
PV4
PV8
PV10
PV12

PV L型三通
PV L type two-way



型号 Model
PV4
PV8
PV10
PV12
PV16

PU直通
PU Straight-through



型号 Model
PU8
PU10
PU12

气动接头
Pneumatic connectors

PKB 螺纹直通
PKB Screw thread five-way



型号 Model
PKB4-G01
PKB4-G02
PKB8-G01
PKB8-G02
PKB8-G01
PKB8-G02
PKB8-G03
PKB8-G02
PKB10-G04

PKG 变径三通
PKG Reducing five-way



型号 Model
PKG4
PKG4-4
PKG4-6
PKG4-8
PKG10-8
PKG10-8

PK 直通
PK Five-way



型号 Model
PK6
PK8
PK10

PKB 螺纹直通
PKB Screw thread Five-way



型号 Model
PKB4-01
PKB4-02
PKB8-01
PKB8-02
PKB8-01
PKB8-02
PKB8-03

SA 管道阀
SA Pipeline valves



型号 Model
SA-4
SA-6
SA-8
SA-10
SA-12

F24十字四通
F24 Cross four-way



型号 Model
F24A
F24B
F24C
F24D
F24E
F24F

PW Y型变径三通
PW Y type reducing three-way



型号 Model
PW6-4
PW8-6
PW10-8
PW12-10

PEG T型变径三通
PEG T type reducing three-way



型号 Model
PEG4-4
PEG6-6
PEG8-8
PEG10-8
PEG12-10

PG 变径直通
PG Reducing straight-through



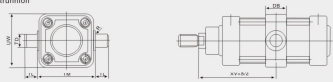
型号 Model
PG6-4
PG8-6
PG10-8
PG12-10

PKD 变径螺纹三通
PKD Reducing screw thread five-way



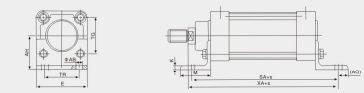
型号 Model
PKD4-01
PKD6-01
PKD8-02
PKD10-02
PKD12-03

中间推动式 Center trunnion



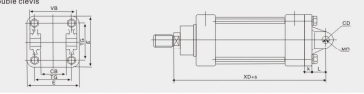
型号 Model	UW	TD (ø9)	R	TL	TM	XV	DB
QGB II 125 x s-MT4	155	25	2	25	160	145	45
QGB II 160 x s-MT4	195	32	2	32	200	170	60
QGB II 200 x s-MT4	240	32	2	32	250	185	60
QGB II 250 x s-MT4	300	40	3	40	320	205	70
QGB II 320 x s-MT4	380	50	3	50	400	230	80

脚架式 Foot



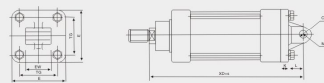
型号 Model	AM	TR	AB	SA	XA	K	E	TG	AO	M	GB89-88 螺孔Screw	GB89-88 螺距Pitch
QGB II 125 x s-MS1	90	90	16	250	270	8	145	112	25	70	M12 x 22	12
QGB II 160 x s-MS1	115	115	18	300	320	10	190	145	20	80	M16 x 25	16
QGB II 200 x s-MS1	135	135	22	320	345	12	225	160	30	100	M16 x 28	16
QGB II 250 x s-MS1	165	165	26	350	390	14	280	225	35	115	M20 x 33	20
QGB II 320 x s-MS1	200	200	33	390	425	16	350	280	35	125	M24 x 37	24

鼻部双耳式 End-cloube clevis



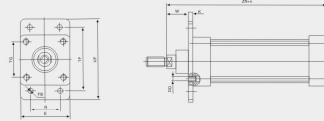
型号 Model	VB	CB (H)	CD (H)	MR	L	XD	K	E	TG	GB89-88 螺孔Screw	GB89-88 螺距Pitch
QGB II 125 x s-MP2	130	70	25	25	30	275	20	145	112	M12 x 35	12
QGB II 160 x s-MP2	170	90	30	30	35	315	20	190	145	M16 x 38	16
QGB II 200 x s-MP2	170	90	30	30	35	335	25	225	180	M16 x 43	16
QGB II 250 x s-MP2	200	110	40	40	45	375	30	280	225	M20 x 50	20
QGB II 320 x s-MP2	220	120	45	45	50	420	35	350	280	M24 x 58	24

鼻部单耳式 End-single clevis



型号 Model	EW (ø2)	CD (H)	MR	L	XD	K	E	TG	GB89-88 螺孔Screw	GB89-88 螺距Pitch
QGB II 125 x s-MP4	70	25	25	30	275	20	145	112	M12 x 35	12
QGB II 160 x s-MP4	90	30	30	35	315	20	190	145	M16 x 38	16
QGB II 200 x s-MP4	90	30	30	35	335	25	225	180	M16 x 43	16
QGB II 250 x s-MP4	110	40	40	45	375	30	280	225	M20 x 50	20
QGB II 320 x s-MP4	120	45	45	50	420	35	350	280	M24 x 58	24

前法兰式 Front-flange



型号 Model	ZB	W	UF	TF	E	R	TG	FB	DD	K
QGB II 125 x s-MF1	229	45	215	180	145	90	112	16	12	20
QGB II 160 x s-MF1	264	60	270	230	190	115	145	18	16	20
QGB II 200 x s-MF1	280	70	315	270	225	135	160	22	16	25
QGB II 250 x s-MF1	305	80	385	330	280	165	225	26	20	30
QGB II 320 x s-MF1	340	90	470	400	350	200	280	33	24	35



订货型号 Order Type



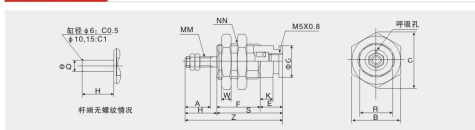
行程 Stroke

内径(mm) Inner diameter	标准行程(mm) Standard inner diameter
6	5,10,15
10	5,10,15
15	5,10,15

技术参数 Technical Parameters

内径(mm) Inner diameter	6	10	15
运动形式 Movement pattern	单动-恒扭矩 Single-action pre-shock package		
工作介质 Working medium	空气(经40 μm过滤的洁净空气) Air (40 clean air's filter)		
使用压力 Use pressure	0.1-0.7MPa(1-7kgf/cm²)		
保证耐压力 Withstanding pressure	1.05MPa(10.5kgf/cm²)		
最高温度 Temperature	-5-70		
缓冲器类型 Buffer type	无缓冲 Unbuffered		
接口口径 Port size	M5		
本体材质 Body Material	黄铜 Brass		

外形尺寸 Overall Size

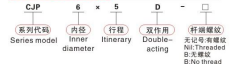


内径 (mm) Inner diameter	A	B	C	E	F	G	H	K	MM	NN	R	S	W	Z	螺孔间距 Pitch						
6	7	12	13.9	6	12.5	19.5	26.5	8.5	9	3.5	M3X0.5	M10X1.0	9	18.5	25.5	32.5	3	27.5	34.5	41.5	3
10	10	19	22	6	14.5	21	28	12	12	3.8	MAX0.7	M15X1.5	13	20.5	27	34	4	32.5	39	46	5
15	12	27	31	7	16.5	22.5	29	19	14	4.2	M3X0.8	M22X1.5	20	23.5	29.5	36	5	37.5	43.5	50	6



CJP2B 10-10

订货型号 Order Type



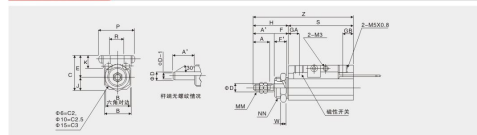
行程 Stroke

内径(mm) Inner diameter	标准行程(mm) Standard inner diameter	磁性开关 Magnetic switch
6	5,10,15,20	97
10	5,10,15,20,25,30	93A
15	5,10,15,20,25,30	

技术参数 Technical Parameters

内径(mm) Inner diameter	6	10	15
使用液体 Use fluid	空气 Air		
动作形式 Movement pattern	双动 Double-acting		
保证耐压力 Withstanding pressure kgf/cm²(MPa)	10.5(1.05)		
最高工作压力 Maximum working pressure kgf/cm²(MPa)	7(0.7)		
最低使用压力 Minimum operating pressure kgf/cm²(MPa)	1.2(0.12) 0.6(0.06)		
环境和液体温度 Setting and fluid temperature	5-60℃		
缓冲 Buffer	两端橡胶缓冲 Both ends of the rubber buffer		
行程公差 Stroke tolerance	±1%		
润滑 Lubricating	不需要 Do not need to		
接口口径 Port size	M5x0.8		

外形尺寸 Overall Size



内径 (mm) Inner diameter	A	A'	B	B'	ØD	F	F'	GA	GB	H	J	K	MM	NN	R	S	W	Z	螺孔间距 Pitch								
6	7	9	14	14	3	6	6.5	6	6	17	6	8	M3x0.5	M10x1.0	7	30.5	5.0	54.5	5	3	47.5	57	56.25	16	51.0	5	20
10	10	12	15	17	5	6	6.5	6	7	20	7	8	M4x0.7	M12x1.0	8	30.5	5.0	54.5	5.5	4	30.5	55	56.5	57.5	20	13	21
15	12	14	20	19	6	10	8.5	6	7	24	9	8	M5x0.8	M14x1.0	10	30.5	5.0	54.5	5.5	5	54.5	55	56.5	57.5	51.5	23	